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2. (Twice Amended) A purified nucleic acid molecule comprising a mammalian Hypertension-Related Calcium-Regulated Gene (HCaRG), having the sequence set out in SEQ ID No. 1, or its complementary strand.

B²
6. (Twice Amended) A purified nucleic acid molecule comprising a mammalian HCaRG, which has the sequence set out in SEQ ID No. 3.

B³
7. (Amended) A recombinant vector comprising the nucleic acid of claim 2.

B⁴
14. (Amended) A composition of matter comprising the nucleic acid of claim 2 and a carrier.

15. (Twice Amended) A composition of matter comprising the cDNA or mRNA of claim 24 and a carrier.

B⁵
16. (Twice Amended) A composition of matter comprising the cDNA or mRNA of claim 25 and a carrier.

B⁶
24. (Amended) An isolated HCaRG cDNA or mRNA that encodes SEQ ID NO: 2.

25. (Amended) An isolated HCaRG cDNA or mRNA that encodes SEQ ID NO: 4.

30. (New) A recombinant vector comprising the nucleic acid of claim 6.

31. (New) A recombinant host cell comprising the recombinant vector of claim 30.

32. (New) A composition of matter comprising the nucleic acid of claim 6 and a carrier.

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33. (New) A composition of matter comprising the recombinant vector of claim 30 and a carrier.

34. (New) A composition of matter comprising the recombinant host cell of claim 31 and a carrier.

35. (New) An isolated open reading frame encoding SEQ ID NO: 2.
36. (New) A recombinant vector comprising the open reading frame of claim 35.
37. (New) A recombinant host cell comprising the recombinant vector of claim 36.
38. (New) A composition of matter comprising the open reading frame of claim 35 and a carrier.
39. (New) A composition of matter comprising the recombinant vector of claim 36 and a carrier.
40. (New) A composition of matter comprising the recombinant host cell of claim 37 and a carrier.
- B⁷ 41. (New) An isolated open reading frame encoding SEQ ID NO: 4.
42. (New) A recombinant vector comprising the open reading frame of claim 41.
43. (New) A recombinant host cell comprising the recombinant vector of claim 42.
44. (New) A composition of matter comprising the open reading frame of claim 41 and a carrier.
45. (New) A composition of matter comprising the recombinant vector of claim 42 and a carrier.
46. (New) A composition of matter comprising the recombinant host cell of claim 43 and a carrier.
47. (New) The nucleic acid of claim 11 wherein the nucleic acid has a sequence that is perfectly complementary to SEQ ID No. 1, SEQ ID No. 3, or a complementary sequence thereof.
48. (New) The nucleic acid of claim 47 which is an amplification primer.
49. (New) The nucleic acid of claim 47 which is a hybridization probe.

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50. (New) A composition of matter comprising the nucleic acid of claim 47 and a carrier.
51. (New) A composition of matter comprising the nucleic acid of claim 48 and a carrier.
52. (New) A composition of matter comprising the nucleic acid of claim 49 and a carrier.
53. (New) The nucleic acid of claim 11 wherein the nucleic acid hybridizes to the nucleic acids of the calcium sensing cell at 60°C in 4x SSC and 50% formamide.
54. (New) The nucleic acid of claim 53 which is an amplification primer.
55. (New) The nucleic acid of claim 53 which is a hybridization probe.
56. (New) A composition of matter comprising the nucleic acid of claim 53 and a carrier.
57. (New) A composition of matter comprising the nucleic acid of claim 54 and a carrier.
58. (New) A composition of matter comprising the nucleic acid of claim 55 and a carrier.

REMARKS

The Amendments

Claims 2 and 6 have been amended to incorporate the elements of originally filed claim 1 and are supported by originally filed claim 1. These amendments do not narrow the scope of these claims.

Claim 7 and 14 have been amended to recite dependency on claim 2 in place of claim 1. These amendments are supported by claim 2, which depended from claim 1, now canceled.

Claims 15, 16, 24, and 25 have been amended to recite "cDNA or mRNA" in place of "nucleic acid." These amendments are supported by the specification which discloses mRNA (page 9, line 5) and cDNA (page 8, lines 11) molecules that encode HCaRG.

New claims 30-34 are directed to a recombinant vector, recombinant host cell, and compositions of matter that comprise the nucleic acid of claim 6 (a purified nucleic acid